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FILE 'HOME' ENTERED AT 15:12:20 ON 03 APR 2003

=> s Merrill, Edward W./in

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FILE 'EUROPATFULL' ENTERED AT 15:13:05 ON 03 APR 2003

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FILE 'POTFULL' ENTERED AT 15:13:05 ON 03 APR 2003

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FILE 'USPATFULL' ENTERED AT 15:13:05 ON 03 APR 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY ACS

FILE 'USPAT2' ENTERED AT 15:13:05 ON 03 APR 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY ACS

s Merrill, Edward W./in

11 s Merrill, Edward W./in

s 11 and high molecular weight polyethylene

11 s 11 ANT HIGH MOLECULAR WEIGHT POLYETHYLENE

s 12 and medical implant#

12 s 12 ANT MEDICAL IMPLANT#

d 12 1-8

Full
Text

11 s 11 ANT HIGH MOLECULAR WEIGHT POLYETHYLENE
 12 s 12 ANT MEDICAL IMPLANT#
 d 12 1-8

O'CONNOR, Daniel;
MERRILL, Edward, W.;
 VENUGOPALAN, Premnath;
 BRADON, Charles
 1A THE GENERAL HOSPITAL CORPORATION;
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY;
 HARRIS, William, H.;
 CASTY, Murali;
 MURATGULU, Gihun;
 O'CONNOR, Daniel;
 MERRILL, Edward, W.;
 VENUGOPALAN, Premnath;
 BRADON, Charles
 DT Patent
 PI WO 1999-05387 A1 199910125
 DS WI AE AL AM AT AU AZ BA BB BG BF BY CA CH CN CU CZ DE DK EE ES
 FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LP
 LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI
 SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS
 MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE
 DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
 GN GW ML MR NE SN TD TG
 AI WO 1999-US16070 A 19990716
 ICM ACIPOL-32

L2 ANSWER 2 OF 8 PCTFULL COPYRIGHT 2003 Univentio

Full
Text

AN 1997019793 PCTFULL ED 20020514
 TIEN RADIATION AND MELT TREATED ULTRA **HIGH MOLECULAR WEIGHT**
POLYETHYLENE PROSTHETIC DEVICES
 TIER DISPOSITIFS DE PROTHESE A BASE DE POLYETHYLENE A POIDS MOLECULAIRE TPRES
 ELEVE, TRAITES PAR FUSION ET RAYONNEMENT
 IN **MERRILL, Edward, W.;**
 HARRIS, William, H.;
 CASTY, Murali;
 MURATGULU, Gihun;
 BRADON, Charles, R.;
 O'CONNOR, Daniel, O.;
 VENUGOPALAN, Premnath
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY;
 THE GENERAL HOSPITAL CORPORATION
 LA English
 DT Patent
 PI WO 1997-019793 A1 19971001
 DS WI AE AL AM AT AU AZ BA BB BG BF BY CA CH CN CU CZ DE DK EE ES
 FI FR GB GE GH GM GR HU ID IL IN IS JP KE KG KP KR KZ LC LK LP
 LS LT LU LV MD ME MG MK MN MW MX NC NE NL NO NZ PL PT PO PU SI SE SG SJ SK SL TJ TM TR TT UA UB
 UZ VN KE LS MW SI SZ UG AM AR AY BG KZ MI RU TJ TM AT BE CH
 DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
 GA GN ML MR NE SN TD TG
 AI WO 1997-019793 A1 19971001
 IPAI WO 1997-019793 A1 19971001
 IPAI WO 1997-019793 A1 19971001

Full
Text

AN 1997019793 PCTFULL
 TI Polyethylene High Molecular Weight
 IN Merrill Edward W.

IA Massachusetts Institute of Technology, Cambridge, MA, United States
 (U.S. Corporation)
 PI US 65 413 000 B1 2 13 121
 AI US 19 78 230 19970107
 IT Utility
 FS SEANTEL
 LN.CNT 376
 INCL INCLM: 428 413.000
 INCIS: 428 500.000; 428/515.000; 428/516.000; 428/522.000; 428/523.000;
 428 333.000; 428/498.000; 351/166.000R; 351/166.000H;
 351 166.000; 427/498.000; 427/496.000; 427/499.000;
 NCL INCLM: 428 413.000
 NCLM: 351 166.000; 427/498.000; 427/496.000; 427/499.000; 428/333.000;
 428 500.000; 428/515.000; 428/516.000; 428/522.000; 428/523.000
 IC [7]
 ICM: B1B17-38
 EXF 351 166H; 351/160R; 351/166; 428/500; 428/515; 428/516; 428/333;
 428 413; 428/520; 428/522; 427/2.1; 427/2.12; 427/402; 427/496; 427/498;
 427/499; 428/96
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 5 USPATFULL

Full
Text

References

AN 2003:14017 USPATFULL
 TI Radiation and melt treated ultra high molecular weight
 polyethylene prosthetic device
 IN Merrill, Edward W., Blement, MA, UNITED STATES
 Harris, William H., Blement, MA, UNITED STATES
 Jasty, Marali, Weston, MA, UNITED STATES
 Mirallegre, Orhun, Cambridge, MA, UNITED STATES
 Bragdon, Charles R., Weymouth, MA, UNITED STATES
 O'Connor, Daniel O., East Taunton, MA, UNITED STATES
 Venugopalan, Premnath, Chennai, INDIA
 PI US 1997-187-1 AI 20030116
 AI US 1997-187-101 AI 20020718 (10)
 RLI Continuation of Ser. No. US 2001-764445, filed on 19 Jan 2001, PENDING
 Continuation of Ser. No. US 2000-572324, filed on 18 May 2000, ABANDONED
 Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED
 Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,
 ABANDONED Continuation-in-part of Ser. No. US 1996-600744, filed on 13
 Feb 1996, SEANTEL, Pat. No. US 5878449

IT Utility
 FS SEANTEL

LN.CNT 376

INCL INCLM: 428 413.000

NCL INCLM: 428 413.000

IC [7]

ICM: B1B17-38

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 1 OF 5 USPATFULL

Full
Text

References

Merrill, Edward W.
 Harris, William H.
 Jasty, Marali, Weston, MA, United States
 Mirallegre, Orhun, Cambridge, MA, United States
 Bragdon, Charles R., Weymouth, MA, United States
 O'Connor, Daniel O., East Taunton, MA, United States
 Venugopalan, Premnath, Chennai, India

corporation,
Massachusetts Institute of Technology, Cambridge, MA, United States
(U.S. corporation)

PI US 644822 B1 20020115
AI US 644822 20020115
PLI Continuation of Ser. No. US 1999-59422, filed on 14 Apr 1999, now
Abandoned Division of Ser. No. US 1996-60744, filed on 13 Feb 1996, now
patented, Pat. No. US 5879400, issued on 9 Mar 1999
DT Utility
FS GRANTED
LN: CNT 113
INCL INCL1: 264/468.000
INCL3: 264/162.000; 264/237.000; 264/468.000
NCL NCL1: 264/468.000
NCL3: 264/162.000; 264/237.000; 264/468.000
IC [7]
ICM: 6290035-08
EXF 264/37; 264/162; 264/237; 264/468; 264/496
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 1 OF 1 USPATFULL

Full
Text

References

AN 2002:12834 USPATFULL
TI Radiation and melt treated ultra high molecular weight
polyethylene prosthetic devices
IN Merrill, Edward W., Belmont, MA, UNITED STATES
Harris, William H., Belmont, MA, UNITED STATES
Jasty, Murali, Weston, MA, UNITED STATES
Mistaglu, Orkun, Cambridge, MA, UNITED STATES
Bragdon, Charles R., Weymouth, MA, UNITED STATES
O'Connor, Daniel O., East Taunton, MA, UNITED STATES
Venugopalan, Premnath, Mugappair, INDIA
PI US 20007113 AI 20020117
AI US 2001-789443 AI 20010119 (9)
PLI Continuation of Ser. No. US 2000-572324, filed on 19 May 2000, ABANDONED
Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED
Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-60744, filed on 13
Feb 1996, GRANTED, Pat. No. US 5879400
DT Utility
FS APPLICATION
LN: CNT 113
INCL INCL1: 264/162.000
INCL3: 264/162.000; 264/237.000; 264/468.000; 264/496.000
NCL NCL1: 264/162.000
NCL3: 264/162.000; 264/237.000; 264/468.000; 264/496.000
IC [7]
ICM: 6290035-08
EXF 264/37; 264/162; 264/237; 264/468; 264/496
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Full
Text

References

high molecular weight
polyethylene
IN Merrill, Edward W., Belmont, MA, UNITED STATES

Bragdon, Charles R., Weymouth, MA, United States
O'Connor, Daniel O., East Taunton, MA, United States
Venugopalan, Premnath, Madras, India

PI US 1991-0077445 AI 2-9-111-4
AI US 1991-0077445 AI 2-9-111-4
RLI Continuation of Ser. No. US 2000-572324, filed on 15 May 1999, PENDING
Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED
Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,
ABANDONED Continuation-in-part of Ser. No. US 1996-600744, filed on 13
Feb 1996, GRANTED, Pat. No. US 5478430

PT Utility
FS APPLICATION
LN.CNT 115

INCL INCLM: 613 619.110
INCLS: 613 619.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;
613 611.000; 264/162.000; 264/485.000; 264/488.000; 264/494.000;
413 301.000

NCL NCLM: 613 619.110
NCLS: 613 619.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;
613 611.000; 264/162.000; 264/485.000; 264/488.000; 264/494.000;
413 301.000

IC [7]
ICM: A61P 1/28
ICS: E19C 15-08; A61P 002-30

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 3 USPATFULL

Full
Text

References

AN 1999:30091 USPATFULL
TI Melt-irradiated ultra high molecular weight polyethylene
prosthetic devices
IN Merrill, Edward W., Belmont, MA, United States
Harris, William H., Belmont, MA, United States
Venugopalan, Premnath, Cambridge, MA, United States
Gasty, Murali, Weston, MA, United States
Bragdon, Charles R., Weymouth, MA, United States
O'Connor, Daniel O., East Taunton, MA, United States
PA Massachusetts Institute of Technology, Cambridge, MA, United States
(U.S. Corporation)
The General Hospital Corporation, Boston, MA, United States (U.S.
Corporation)
PI US 1999-0077445 AI 2-9-111-4
AI US 1999-0077445 AI 2-9-111-4
PT Utility
FS GRANTED
LN.CNT 115
INCL INCLM: 613 619.110
INCLS: 613/019.110; 613 110.110; 623 110.110; 623 111.110; 623 112.110
NCL NCLM: 613/019.110
NCLS: 613/019.110
IC [7]
ICM: A61P 1/28
EHE 613/019.110; 613 110.110; 623 110.110; 623 111.110; 623 112.110

(high molecular weight polyethylene or ultrahigh molecular weight polyethylene
ultra high molecular weight polyethylene or ultrahigh molecular weight polyethylene
ultra high molecular weight polyethylene or ultrahigh molecular weight polyethylene)

11 11 11 11 11 11 11 11 11 11

=> s 15 and free radical#

L6 41 L5 AND FREE RADICAL#

=> s 16 and anneal? and heat?

L7 39 L6 AND ANNEAL? AND HEAT?

=> s 17 and (crosslink? or cross-link?)

L8 39 L7 AND (CROSSLINK? OR CROSS-LINK?)

=> s 18 and oxygen-free

L9 15 L8 AND OXYGEN-FREE

=> s 19 and cool?

L10 15 L9 AND COOL?

=> s 110 and packag? and steriliz?

L11 10 L10 AND PACKAG? AND STERILIZ?

=> d 111 1-10

L11 ANSWER 1 OF 10 EUROPATEFULL COPYRIGHT 2003 WILA

Full
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 963824 EUROPATEFULL ED 20000109 EW 199950 FS OS

TIEN **Cross-linked** molded plastic bearings.

TIDE Vernetzte, geformte Kunststofflager.

TIFR Paliers moulés en plastique reticulée.

IN McNulty, Donald E., 1263 N Shagbark Drive, Warsaw, Indiana 46580, US;

Smith, Todd, 14510 Lightning Ridge Run, Fort Wayne, Indiana 46804, US

PA DEPUY ORTHOPAEDICS, INC., 700 Orthopaedic Drive, Warsaw, Indiana 46581, US

SO Wila-EPZ-1999-H50-T3a

DS F AT; F BE; F CH; F CY; F DE; F DK; F ES; F FI; F FR; F GB; F GR; F IE; F IT; F LI; F LU; F MD; F NL; F PT; F SE; F AL; F LT; F LV; F MK; F PC; F SI

PIT EPA2 EUROPÄISCHE PATENTANMELDUNG

PI EP 963824 A2 19991215

OF 19991215

AI EP 1999 4447 1999 12 15

FRAT EP 1999 4447 1999 12 15

IS EP 1999 4447 1999 12 15

US EP 963824 A2 1999 12 15

UK EP 963824 A2 1999 12 15

L11 ANSWER 2 OF 10 EUROPATEFULL COPYRIGHT 2003 Univentis

Full
Text

AN 963824 EUROPATEFULL ED 20000109 EW 199950 FS OS

TIEN A METHOD FOR THE PREPARATION OF CROSS-Linked POLYMER WITH AN ANTI-KIDNEY AND AN ANTI-KIDNEY EFFECT

SO Wila-EPZ-1999-H50-T3a

DS F AT; F BE; F CH; F CY; F DE; F DK; F ES; F FI; F FR; F GB; F GR; F IE; F IT; F LI; F LU; F MD; F NL; F PT; F SE; F AL; F LT; F LV; F MK; F PC; F SI

PA DEPUY ORTHOPAEDICS, INC., 700 Orthopaedic Drive, Warsaw, Indiana 46581, US

US EP 963824 A2 1999 12 15

SJeeVALL, Peter;
WESSLEN, Bengt
LA English
IT Patent
PI WO 1990049079 A1 19900824
DS WI: AE AL AM AT AU AZ BA BB BG BF BY CA CH CN CU CZ DE DK EE ES
FI GB GL GE GH GM HN HU IL IN IS JI KE KG KP KR KZ LC LK
LR LS LT LU LV ME MG MK MN MW MX NO NZ PL PT RO RU SI SE SG
SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW ZH ZM KE LS MW
SL SL SZ TZ UG ZW AM AZ BY BG KZ ML RU TJ TM AT BE CH CY DE
DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
GN GW ML MR NE SN TI TG
AI WO 1990-SE3.4 A 20000217
PRAI SE 1988-9900519-1 19890217
ICM C09K005-15
ICS A61B027-34; A61F002-30; C09L023-04

L11 ANSWER 3 OF 10 PCTFULL COPYRIGHT 2003 Univentis

Full
Text

AN 1993014.23 PCTFULL ED 20020514
TIEN PROCESS FOR MEDICAL IMPLANT OF CROSS-LINKED ULTRAHIGH
MOLECULAR WEIGHT POLYETHYLENE HAVING IMPROVED BALANCE OF WEAR
PROPERTIES AND OXIDATION RESISTANCE
TIFR PROCEDE DE FABRICATION DE PROTHESE MEDICALE EN POLYETHYLENE RETICULE A
FINES MOLECULAIRES TRES ELEVE A EQUILIBRE AMELIORE DES PROPRIETES A
L'USAGE ET DE RESISTANCE A L'OXYDATION
IN SAUM, Kenneth, Ashley;
SANFORD, William, Michael;
DIMAIO, William, Gerald, Jr.;
HOWARD, Edward, George, Jr.
PA E.I. DUPONT DE NEMOURS AND COMPANY
LA English
DT Patent
PI WO 1990049079 A1 19900824
DS WI: AL AM AU AZ BA BB BG BR BY CA CN CU CZ DE EE GE HU IE IL IS JP
KG KP KR KZ LC LK LR LT LV ME MG MK MN MX NO NZ PL RO RU SG
SI SK SL TJ TM TR TT UA UZ VN YU ZH KE LS MW SI SZ UG ZW AM
AZ BY BG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
AI WO 1990-SE3.4 A 19971002
PRAI US 1988-0000000, 154 19861002
US 1988-0000000, 154 1987-0000
ICM A61B
ICS A61B

L11 ANSWER 4 OF 10 PCTFULL

Full
Text

AN 2002123123 US1ATEFULL
TI Method for the preparation of ULTRAHIGH doped with an antioxidant and an
implant made thereof
IN Lidgren, Lars, David, JOHAN
Bengtsson, Peter, Johan, JOHAN

FS GRANTED
 LN.CNT 443
 INCL INCL1: 524/110.000
 INCL3: 524/424.000
 NCL NCLM: 524/110.000
 NCL3: 524/424.000
 IC [7]
 ICM: C08K035-15
 ICC: C08K033-00
 EXP 524/110; 524/424
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 10 USPATFULL

Full
 Text

AN 200119919 USPATFULL
 TI Process for: **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance
 IN Sam, Kenneth Ashley, Newark, DE, UNITED STATES
 Sanford, William Michael, Kennett Square, PA, UNITED STATES
 Dimart, William Gerald, JR., Boothwyn, PA, UNITED STATES
 Howard, Edward George, JR., Hockessin, DE, UNITED STATES
 FI US 2001107400 A1 20020803
 AI US 2001-56364 A1 20011029 (10)
 RLI Continuation of Ser. No. US 2000-638551, filed on 16 Oct 2000, PATENTED
 Continuation of Ser. No. US 1999-422722, filed on 22 Oct 1999, PATENTED
 Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, PATENTED
 PRAI US 1996-27354P 19961002 (60)
 IT Utility
 FS APPLICATION
 LN.CNT 929
 INCL INCL1: 522/161.000
 NCL NCLM: 522/161.000
 IC [7]
 ICM: C08C033-28
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 10 USPATFULL

Full
 Text

AN 200152586 USPATFULL
 TI Wear resistant **medical implant** and **method** for **implant**
 containing **therapeutic**
 IN Sam, Robert, Lake Bluff, IL, United States
 Arnold, Robert, Bensenville, IL, United States
 Albrittle, Richard, Hampton, IL, IL, United States
 PA Implex Corp., United States (U.S. corporation)
 FI US 6365215 B1 20020312
 AI US 1999-266134 19990331 9
 BT Utility
 FS GRANTED
 LN.CNT 443
 INCL INCL1: 524/110.000
 INCL3: 524/424.000
 NCL NCLM: 524/110.000
 NCL3: 524/424.000
 IC [7]
 ICM: C08K035-15
 ICC: C08K033-00
 EXP 524/110; 524/424
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 10 USPATFULL

Full
 Text

AN 200152586 USPATFULL
 TI Wear resistant **medical implant** and **method** for **implant**
 containing **therapeutic**
 IN Sam, Robert, Lake Bluff, IL, United States
 Arnold, Robert, Bensenville, IL, United States
 Albrittle, Richard, Hampton, IL, IL, United States
 PA Implex Corp., United States (U.S. corporation)
 FI US 6365215 B1 20020312
 AI US 1999-266134 19990331 9
 BT Utility
 FS GRANTED
 LN.CNT 443
 INCL INCL1: 524/110.000
 INCL3: 524/424.000
 NCL NCLM: 524/110.000
 NCL3: 524/424.000
 IC [7]
 ICM: C08K035-15
 ICC: C08K033-00
 EXP 524/110; 524/424
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 10 USPATFULL

| Full Text | Utility References |
|-----------|--------------------|
|-----------|--------------------|

AN 200112181 USPATFULL

TI Process for **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance

IN Adams, Kenneth Ashley, Newark, DE, United States
 Jantors, William Michael, Kennett Square, PA, United States
 Lamas, Jr., William Gerald, Boothwyn, PA, United States
 Howard, Jr., Edward George, Hockessin, DE, United States

PA DePuy Orthopaedics, Inc., Warsaw, IN, United States (U.S. corporation)

PI US 6316153 B1 20011113

AI US 2001-08-551 20001016 (9)

RLI Continuation of Ser. No. US 1999-422722, filed on 22 Oct 1999
 Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, now patented, Pat. No. US 6017975, issued on 25 Jan 2000

BT Utility

FS GRANTED

LN.CNT 67

INCL INCLM: 430/130.000
 INCLS: 430/127.000; 430/627.000; 522/161.000; 522/184.000; 522/189.000;
 522/911.000; 522/912.000; 528/503.000; 623/011.000

NCL NCLM: 430/130.000
 NCLS: 430/127.000; 430/627.000; 522/161.000; 522/184.000; 522/189.000;
 522/911.000; 522/912.000; 528/503.000; 623/920.000

IC [7]
 ICM: 5013005-00
 ICS: 5013003-28

EXP 430/130; 430/127; 430/627; 522/161; 522/184; 522/189; 522/911; 522/912;
 528/503; 623/011

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 8 OF 10 USPATFULL

| Full Text | Utility References |
|-----------|--------------------|
|-----------|--------------------|

AN 2001182951 USPATFULL

TI Process for **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance

IN Adams, Kenneth Ashley, Newark, DE, United States
 Jantors, William Michael, Kennett Square, PA, United States
 Lamas, Jr., William Gerald, Boothwyn, PA, United States
 Howard, Jr., Edward George, Hockessin, DE, United States

PA DePuy Orthopaedics, Inc., Warsaw, IN, United States (U.S. corporation)

PI US 6316153 B1 20011113

AI US 1999-422722 19991222 (4)

RLI Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, now patented, Pat. No. US 6017975

BT Utility

FS GRANTED

LN.CNT 64

EXP 430/130; 430/127; 430/627; 522/161; 522/184; 522/189; 522/911; 522/912;
 528/503; 623/011

| | |
|--------------|----------------------|
| Full Text | Citing References |
|--------------|----------------------|

AN 200:1984 USPATFULL
 TI Process for: **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance
 IN Saur, Kenneth Ashley, 293 Wilson Rd., Newark, IE, United States 19711
 Sant, ad, William Michael, 52 Fawn La., Kennett Square, IA, United States 19344
 Saur, Jr., William Gerald, 1316 Longmeadow Rd., Boothwyn, PA, United States 19341
 Howard, Jr., Edward George, 844 Old Public Rd., Hockessin, IE, United States 19707
 FI US 4,179,755 286000125
 AI US 4,187,411,792 19870615 (8)
 PRAI US 4,186,174,548 19961002 (60)
 DT Utility
 FS Granted
 LN.CNT 625
 INCL INCLM: 522/161.000
 INCLM: 522/184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000
 NCL INCLM: 522/161.000
 INCLM: 522/184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000
 IC [6]
 ICM: C08J083-28
 EXF 528/503; 522/65; 522/71; 522/161; 522/189; 522/184; 522/911; 522/912
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 10 OF 10 USPATFULL

| | |
|--------------|----------------------|
| Full Text | Citing References |
|--------------|----------------------|

AN 95:40985 USPATFULL
 TI Non oxidizing polymeric **medical implant**
 IN Sun, Deh-Shuan, Rockaway, NJ, United States
 Stark, Casper E., Pompton Lakes, NJ, United States
 PA Howmedica Inc., New York, NY, United States (U.S. corporation)
 FI US 4,414,049 19850509
 AI US 4,393,700,74 19830611 (9)
 ET Utility
 FS Granted
 LN.CNT 775
 INCL INCLM: 525/443.7
 INCLM: 522/161.000; 522/184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000
 NCL INCLM: 525/443.7
 INCLM: 522/161.000; 522/184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000
 IC [6]
 ICM: C08J083-28
 EXF 525/443; 522/161; 522/184; 522/189; 522/911; 522/912
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.